

DECLARATION AND POWER OF ATTORNEY

I, GERALD N. COLEMAN, declare that I am a citizen of the United States of America, residing at Dunlap, Illinois, and that I believe I am one of the original, first, and joint inventors together with KEVIN P. DUFFY, ERIC C. FLUGA AND JONATHAN P. KILKENNY of the subject matter which is claimed and for which a patent is sought on the invention entitled:

LOW EMISSIONS COMPRESSION IGNITED ENGINE TECHNOLOGY

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Provisional Application Serial Number: 60/434,015

Provisional Application Filing Date: December 17, 2002

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.)

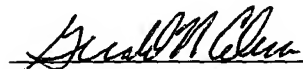
(Filing Date)

(Status)

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint Steve D. Lundquist, Patent Office Reg. No. 42,816, telephone (309) 675-4460, J. Wesley Blumenshine, Patent Office Reg. No. 32,399, telephone (309) 675-5537, J. W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, and Dennis C. Skarvan, Patent Office Reg. No. 35,360, telephone (309) 675-6060, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: Steve D. Lundquist, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



GERALD N. COLEMAN

8/14/2003

Date

Post Office Address:

11206 N. Daniels Ct.

Dunlap, Illinois 61525-9576

DECLARATION AND POWER OF ATTORNEY

I, JONATHAN P. KILKENNY, declare that I am a citizen of the United States of America, residing at Peoria, Illinois, and that I believe I am one of the original, first, and joint inventors together with GERALD N. COLEMAN, KEVIN P. DUFFY AND ERIC C. FLUGA of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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 14 August 2003
JONATHAN P. KILKENNY Date

Post Office Address:

6623 N Greenmont

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DECLARATION AND POWER OF ATTORNEY

I, ERIC C. FLUGA, declare that I am a citizen of the United States of America, residing at Dunlap, Illinois, and that I believe I am one of the original, first, and joint inventors together with GERALD N. COLEMAN, KEVIN P. DUFFY AND JONATHAN P. KILKENNY of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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 14 Aug 2003
ERIC C. FLUGA Date

Post Office Address:

407 S. French

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DECLARATION AND POWER OF ATTORNEY

I, KEVIN P. DUFFY, declare that I am a citizen of the United States of America, residing at East Peoria, Illinois, and that I believe I am one of the original, first, and joint inventors together with GERALD N. COLEMAN, ERIC C. FLUGA AND JONATHAN P. KILKENNY of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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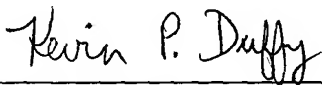
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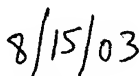
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KEVIN P. DUFFY

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